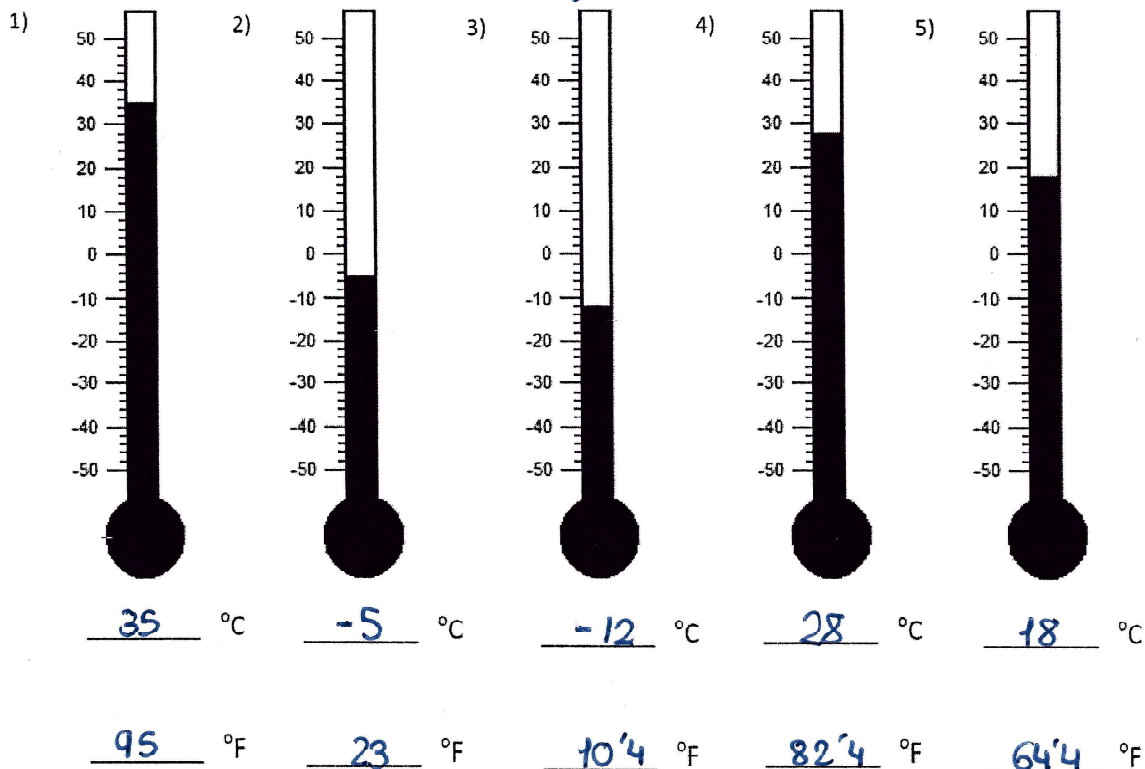


**FORMULA FOR CELSIUS TO FAHRENHEIT**

There is a way to change Celsius or centigrade temperatures into Fahrenheit. The formula is the next:  $F = \frac{9}{5} \cdot C + 32$

Write below the thermometer the shown temperature on each. After that, calculate the equivalent Fahrenheit temperature by using the above formula.



**Your operations:**

$$1) F = \frac{9}{5} \cdot 35 + 32 = \frac{9 \cdot 35}{5} + 32 = \frac{315}{5} + 32 = 63 + 32 = 95$$

$$2) F = \frac{9}{5} \cdot (-5) + 32 = \frac{9 \cdot (-5)}{5} + 32 = \frac{-45}{5} + 32 = -9 + 32 = 23.$$

$$3) F = \frac{9}{5} \cdot (-12) + 32 = \frac{9 \cdot (-12)}{5} + 32 = \frac{-108}{5} + 32 = -21'6 + 32 = 10'4$$

$$4) F = \frac{9}{5} \cdot 28 + 32 = \frac{9 \cdot 28}{5} + 32 = \frac{252}{5} + 32 = 50'4 + 32 = 82'4$$

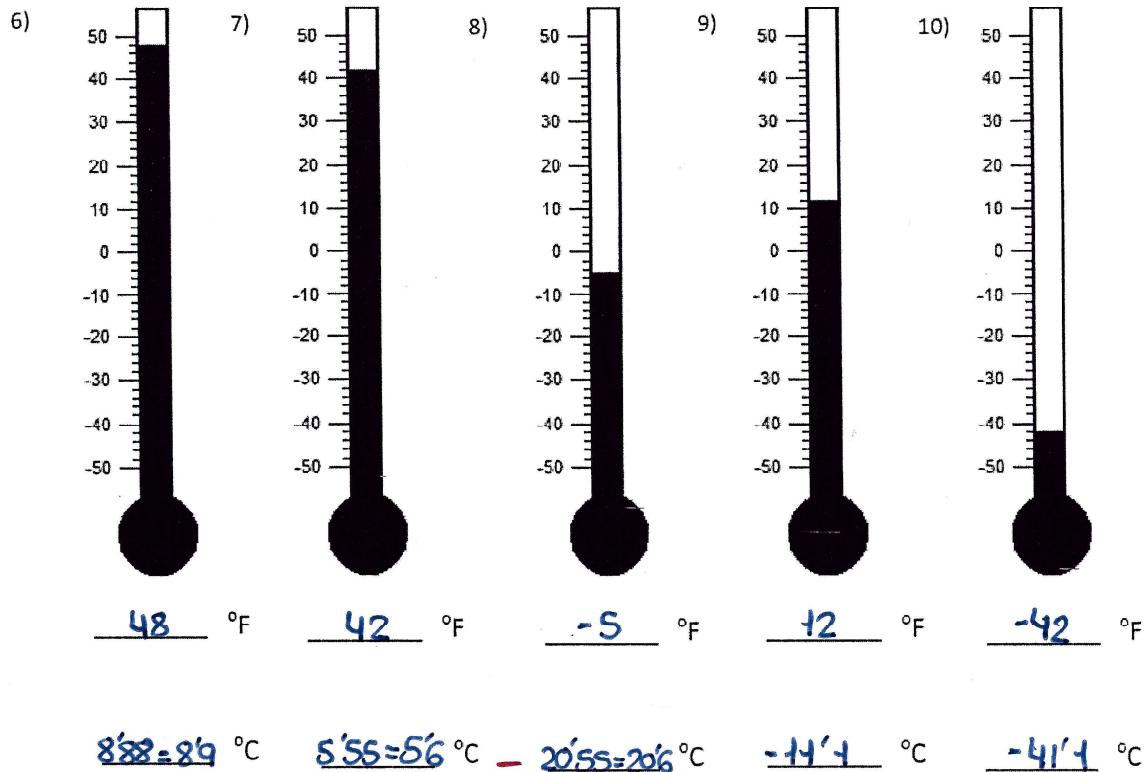
$$5) F = \frac{9}{5} \cdot 18 + 32 = \frac{9 \cdot 18}{5} + 32 = \frac{162}{5} + 32 = 32'4 + 32 = 64'4$$

**FORMULA FOR FAHRENHEIT TO CELSIUS**

Now you see the following Fahrenheit temperatures and you wonder what will be the equivalent centigrade temperature.

There is a way to change Fahrenheit into centigrade. The formula is the next:

$$C = \frac{5}{9} \cdot F - \frac{160}{9}$$



**Your operations:**

$$6) C = \frac{5}{9} \cdot 48 - \frac{160}{9} = \frac{5 \cdot 48}{9} - \frac{160}{9} = \frac{240}{9} - \frac{160}{9} = \frac{80}{9} = 8'88 = 8'9.$$

$$7) C = \frac{5}{9} \cdot 42 - \frac{160}{9} = \frac{5 \cdot 42}{9} - \frac{160}{9} = \frac{210}{9} - \frac{160}{9} = \frac{50}{9} = 5'55 = 5'6$$

$$8) C = \frac{5}{9} \cdot (-5) - \frac{160}{9} = \frac{5 \cdot (-5)}{9} - \frac{160}{9} = \frac{-25}{9} - \frac{160}{9} = \frac{-185}{9} = -20'55 = -20'6$$

$$9) C = \frac{5}{9} \cdot 12 - \frac{160}{9} = \frac{5 \cdot 12}{9} - \frac{160}{9} = \frac{60}{9} - \frac{160}{9} = \frac{-100}{9} = -11'11 = -11'1$$

$$10) C = \frac{5}{9} \cdot (-42) - \frac{160}{9} = \frac{5 \cdot (-42)}{9} - \frac{160}{9} = \frac{-210}{9} - \frac{160}{9} = \frac{-370}{9} = -41'11 = -41'1$$